

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problem Mailbox.**

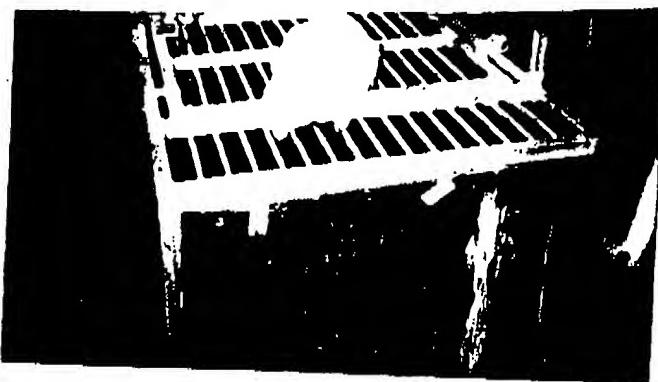
04/02/2002 13:09

9259069023

S J ADAMS

PAGE 02

EXHIBIT A



Full S

2 wash-out  
cycles

88-891

m

Want to see  
Dy. present without  
initially adding  
then later adding  
Used 5% starch  
intensity standards  
for ROI measurements

Cat coil 180 -

232 sec.

TR/TE = 2.00/1

Scout : Ax. C

1/8" for each slice

3 mm slice -  
1/8" slice  
slice factor  $\frac{1}{3}$

Sag. E24

Ax. SC

Set 90-130 with OC

3" - SC good  
Auto. scales good.

OC @  $\frac{1}{3}$

Current MCAC Pre 1:28

MM62A pre 1:28

Dy position

500 ml ~~1/20~~ - 500 ml ~~1/20~~

1 ml  $\times$  1,000 ml = 5 ml  $\times$  1000

$$5 \text{ ml} \times 1000 = 5000 \text{ ml} = 2.1 \text{ ml/sec}$$

inject 4.8 ml - injected over 5 min.  
Start inject at scan 30 s so wait it all in by  
maximum echo.

MCAC Post 1:45 OC-49 CN-40 IR1.2 - MM62B

Post 1:58

Post 2:10

- MM62C  
mm

Minutes  
Scan #10

01  
 APR 12 2002  
 DENTAL TRADEMARK REG'D  
 S-043 (Dyprosium DTPA) / Non-ionic Contrast M,  
 MCA-O MODEL

2.4 kg injected i.v. to 65 mg/kg Nimbrol (≈ 1.3 ml)

MCA surgery

1:13 MCA-O  $\oplus$  Thrombectomy + transection  
 in CSI

MAP 117 mmHg

1:40 T<sub>2</sub>W multisection suggests periventricular edema LV

1:50 MAP drop from 110-90 during injection

1:45 S-043 INJECTION OVER 3 min at 1 mM/kg = 2.4 mM (4.8 ml)

- 1:49

1:54 MAP 104 mmHg

2:20 MAP 108 mmHg

2:45 completion of 4 series of T<sub>2</sub>W (TR/TE 2800/80) coronal  
 multisection images from septum to midbrain (MCA territory)

m62A 1st T<sub>2</sub>W pre-contrast post MCA-O → high signal ( $t = 1:28$  pm)

m62B 2nd T<sub>2</sub>W 1-12 min post contrast (contrast 1:45) ( $t = 1:45 \rightarrow 1:57$ )

m62C 3rd T<sub>2</sub>W

( $t = 1:59 \rightarrow 2:11$ )

3/4m62D 4th T<sub>2</sub>W

( $t = 2:12 \rightarrow 2:2$ )

1m62E 5th T<sub>2</sub>W

( $t = 2:47 \rightarrow 2:6$ )

3:00 MAP 112 mmHg

3:15 MAP 117 mmHg

1:28

4:30 MAP 116 mmHg

4:38 ≈ 3 minute contrast injection, moderate hypotensive  
 $\downarrow$  effect 110 → 111

4:40 MAP 113 mmHg

4:41 MAP 110 mmHg stopped inject

by

5:20 MAP 108 mmHg

62B

5:25 MAP 114 HR 150 .3 ml Nimbrol i.v. MAP 110 mmHg HR 146 br

G2C

G2F

~~XXA~~ XXB-2C - E24. 128x256x4.

MHC2 F -

~~3~~ 3; 13

TR 1000/50 NA2

GN 30 PPS 0

5 mm slice w/ set & severe partial volume  
averaging effect.  
Want to 3mm slice. (Note: refraction  
to change of phase  
and Crozier)

APC1  
sec 2  
250 on 0  
APC on 0

MHC2 G

PPS = 1414

PPS = 2000

~~2028~~

4,02

5050

5,000

11312

TR = 1500  
TE = 60

sort date = No!

H  
I  
J  
K  
L  
M

coefficient of pure  $H_2O$  is  $2.5 \times 10^{-3}$

12800/50  
NA/2  
OC-49  
Pre-4.23

E24

MHC2 N  
OC  
OC

post - 4:35

post - 4:48

post - 5:02

post - 5:37

4:23

depth slope  
echo off screen at 4312

E24 images stored in files: 1324

Procedure

check UC

CL  $\Rightarrow$  config update + load

BD  $\Rightarrow$  128 input file name

input file name

1324

$\rightarrow$  S1  $\bar{S}^t$   
dot file

start  
initialization  
image & scan 32  
exit

Workup

XN 2C

MHC2 N

window size 10

>I: 5

4:25 Pre-contrast T<sub>2</sub>W coronal multisection (TR/TE 2800/80)  
- normal cortical + B6 signal intensity

4:35 Start 1st post-contrast T<sub>2</sub>W

- high signal cortical + B6 (non perfused)

4:48 Start 2nd post-contrast T<sub>2</sub>W

5:02 Start 3rd post-contrast T<sub>2</sub>W

5:37 Start 4th post-contrast T<sub>2</sub>W

6:30 0.3 ml Nentorstat i.v.

7:05 Hemiburst over dose

50 ml transcardial 2% TTC

brain removed after 20 min - immersed in TTC for 5 min  
stored in 10% buffered formalin for 24 h

~~Cerebral Sections 5-7 mm thick show infarcted  
tissue through MCA-0 (R) territory~~

~~Close correspondence with T<sub>2</sub>W MRI appearance~~

L0214A.04T

2800/80 3/4 OC 52

11.4 minutes

qz 50

1 - 4  
5 - 8  
9 - 12  
10 - 11  
13 14 15 16

Contact

RI

C → either kind,  
or K input H's  
Start with 70/120

Tape Backup

W initialize

MMG2\*.dat

Command?

A.

File name:

windan  
41-71

Tape Rev

R\* - read all subscr  
take tape off-line

ROT

left to right reversed  
ROT

X1.2C  
XY-3  
CM 20/20

Command?

A

File name: MMG3\*.DAT

Command?

A

File name: MMG1\*.DAT

Command?

B → tape back

Command? to beginning

Q → quit

• Hang

GG call up middle L  
128 ⇒ ys  
CV  
3 levels  
↓ down center bar  
↑ up center bar

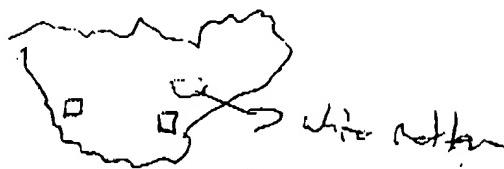
Rowname	S1 - S4	1
M1 - M4	-	1
O1 - O4	-	1
P1 - P4	-	1
Q1 - Q4	-	1

From listing image correct; control  $\sigma$

1. Pick one ROI than  $R_1, N_1, Q_1, P_1, Q_1$   
When yellow type  $\geq \rightarrow$  red box

$\Leftrightarrow$  in and out box sides  
 $\uparrow$  up & down

$I =$  returns integral of box.  
total 320 ROI's



type I  $\Rightarrow$  integral

return  
return  
Q  
CV NI  
return  
return

Choose  $2.5 \times 2.5$  voxel

$$S \cdot \frac{xw - 2.5}{yw - 2.5}$$

Exp. 25-40  
Pos - 320

CINT - 300/10

brightness - 10

Exp. 25 - Frame  
hit Pos.

Exp - 30

position - 2

Exp

FI - C

start at 70 - 120

Ted CSI. ANN

spectra  
xy - 3  
CB - C/C

AN - I

ESI. ANN

AN - S

Q  
Color  
GECSI

CC File

AN

per Ann.

T <